

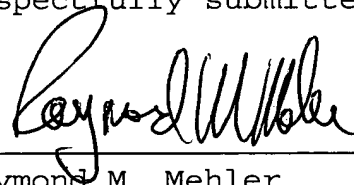
The references listed on the attached PTO forms are called to the attention of the U.S. Patent and Trademark Office. Copies of all of the references listed on sheet 3 of 5 and document 00, the International Search Report for the corresponding PCT Application, are enclosed herewith for the Office's consideration. All of the others were submitted in an earlier application that is relied on for an earlier effective

filing date under 35 U.S.C. § 120, in accordance with C.F.R. § 1.98 (d)(1); and the IDS submitted in the earlier application complied with C.F.R. § 1.98 (a-c). Such earlier application is 10/172,082, filed on June 14, 2002, now U.S. Patent No. 6,712,963 B2, issued on March 30, 2004.

This statement is provided in order to comply with 37 C.F.R. § 1.56, § 1.97, and § 1.98, and this statement is not to be construed as a representation that no information exists which is more material than these references, or that the information is considered to be material to patentability.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. Accordingly, it is believed that no additional fee is required for the submission of this Information Disclosure Statement.

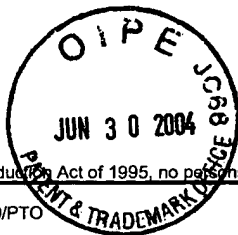
Respectfully submitted,



Raymond M. Mehler
Registration No. 26,306

COOK, ALEX, MCFARRON, MANZO,
CUMMINGS & MEHLER, LTD.
200 West Adams Street
Suite 2850
Chicago, Illinois 60606
(312) 236-8500

Dated: June 28, 2004



PTO/SB/08A (04-03)

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Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

5

Application Number	10/764,624
Filing Date	January 26, 2004
First Named Inventor	KARL G. SCHICK
Art Unit	3754
Examiner Name	
Attorney Docket Number	0848-0010.02

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,818,384	04-04-1989	Mayer	
		US- 5,076,931	12-31-1991	Muller	
		US- 5,112,489	05-12-1992	Hartmann	
		US- 5,200,090	04-06-1993	Ford et al.	
		US- 5,328,584	07-12-1994	Erickson et al.	
		US- 5,340,290	08-23-1994	Clemens	
		US- 5,431,811	07-11-1995	Tusini et al.	
		US- 5,520,816	05-28-1996	Kuepper	
		US- 5,597,486	01-28-1997	Lutz	
		US- 5,693,229	12-02-1997	Hartmann	
		US- 5,776,345	07-07-1998	Truitt et al.	
		US- 5,791,880	08-11-1998	Wilson	
		US- 5,947,689	09-07-1999	Schick	
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FOREIGN PATENT DOCUMENTS

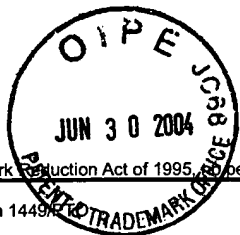
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Sheet 2 of 5

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		Number-Kind Code ² (if known)			
		US- 4,626,346	12-02-1986	Hall	
		US- 4,680,109	07-14-1987	Yamada et al.	
		US- 5,256,294	10-26-1993	van Reis	
		US- 5,282,972	02-01-1994	Hanna et al.	
		US- 5,480,063	01-02-1996	Keyes et al.	
		US- 5,589,076	12-31-1996	Womack	
		US- 5,680,960	10-28-1997	Keves et al.	
		US- 5,958,244	09-28-1999	Hartmann	
		US- 6,350,382	02-26-2002	Schick	
		US- 6,375,847	04-23-2002	Hartmann	
		US- 2002/43487 A1	04-18-2002	Schick	
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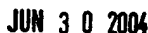
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		FR 2 785 830	05-19-2000	Orelis		
		WO 99/02245	01-21-1999	Bucher-Guyer		

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
		FR 2 567 406 A1	01-17-1986	Charpentier	Abstract attached	
		EP 1 236 644 A1	09-04-2002	Martinell Gisper-Sauch		
		WO 03/106266	12-24-2003	Schick		

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Attorney Docket Number	0848-0010.02

Sheet 4 of 5

OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AA	Technical Bulletin: "MidGee Cross Flow Filters," A/G Technology Corp., 1996.	
	BB	Operating Instructions: "MiniKros Sampler System," Microgon Inc., 1995.	
	CC	Technical Bulletin: "The MiniKros Sampler System," Spectrum Microgon, 5/96.	
	DD	Technical Bulletin: "Microgon Techniques for Processing Uniform Latex Particles," Microgon Inc., 1992.	
	EE	William F. BLATT, Lita NELSEN, Eliseo M. ZIPILIYAN, and Mark C. PORTER, "Rapid Salt Exchange by Coupled Ultratiltration and Dialysis in Anisotropic Hollow Fibers,"	
		Separation Science, 7(3) pp. 271-284, 1972.	
	FF	William F. BOWERS and Rudy H. HASCHMEYER, "A Versatile Small-Volume Ultrafiltration Cell- Analytical Biochemistry," 25, pp. 549-556, 1968.	
	GG	UltraTec Filtration System, "Operations Manual Version: 1.28," SciLog, Inc., April, 1997.	

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Sheet	5	of	5
		Attorney Docket Number	0848-0010.02

OTHER PRIOR ART–NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	HH	Patent Abstract of Japan, JAPAN ORGANO CO LTD, Publication Date 03-14-1995, Publication No. 07068257.	
	II	Patent Abstract of Japan, ASAHI CEHM IND CO LTD, Publication Date 03-24-1998, Publication No. 10076143.	
	JJ	SI-HASSEN, et al., "Optimisation of an intermittent cross-flow filtration process of mineral suspensions," Journal of Membrane Science, 118 (1996) 185-198.	
	KK	CARERE, "Study of hydrodynamic parameters in the cross-flow filtration of guar gum pseudoplastic solutions," Journal of Membrane Science, 174 (2000) 135-145.	
	LL	Webpage of HyClone at www.hyclone.com	
	MM	Webpage of "Integrate Solution for Biopharmaceutical Fluid Handling" at www.tc-tech.com.	
	NN	FILVEK, "Volumetric Disposable Liquid Filling System Schematic," Innovative Technology Practical Solutions, Brochure.	
	OO	International Search Report for International Application No. PCT/US 03/18980, with International filing date of 06/13/2003.	

Examiner Signature		Date Considered	
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